

1007 Rec'd PCT/PTO 14 MAR 2002

FORM PTO-1390 (REV. 11-2000)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTORNEY'S DOCKET NUMBER
TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371			U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/088388</b>
INTERNATIONAL APPLICATION NO. PCT/AU00/01116	INTERNATIONAL FILING DATE 15 Sept. 2000 (15.09.00)	PRIORITY DATE CLAIMED 15 Sept. 1999 (15.09.99)	
TITLE OF INVENTION MAGNETIC HOLDING DEVICE AND METHOD			
APPLICANT(S) FOR DO/EO/US Smith, Warrick			
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:			
<p>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input type="checkbox"/> The US has been elected by the expiration of 19 months from the priority date (Article 31).</p> <p>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))</p> <p style="margin-left: 20px;">a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> is attached hereto.</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p style="margin-left: 20px;">a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p style="margin-left: 20px;">b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p style="margin-left: 20px;">c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p style="margin-left: 20px;">d. <input checked="" type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). (unsigned)</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> <p><b>Items 11 to 20 below concern document(s) or information included:</b></p> <p>11. <input type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</p> <p>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</p> <p>13. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</p> <p>14. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information The international preliminary examination report IPEA/AU</p>			

U.S. APPLICATION NO. (if known, see 37 CFR 1.55) > 38				INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER	
<b>21. <input checked="" type="checkbox"/> The following fees are submitted:</b> <b>BASIC NATIONAL FEE (37 CFR 1.492 (a) (1) - (5)):</b> Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO. . . . . \$1000.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO . . . . . \$860.00  International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO . . . . . \$710.00  International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4) . . . . . \$690.00 International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) . . . . . \$100.00 <b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>						<b>CALCULATIONS PTO USE ONLY</b>	
						\$ 1000	
Surcharge of \$130.00 for furnishing the oath or declaration later than <input type="checkbox"/> 20 <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(e)).						\$ 130	
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	\$			
Total claims	19 - 20 =	0	x \$18.00	\$ 0			
Independent claims	3 - 3 =	0	x \$80.00	\$ 0			
MULTIPLE DEPENDENT CLAIM(S) (if applicable)				+ \$270.00			
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1130			
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.				+ \$ 565			
<b>SUBTOTAL =</b>				\$			
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$			
<b>TOTAL NATIONAL FEE =</b>				\$			
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$			
<b>TOTAL FEES ENCLOSED =</b>				\$ 565			
				Amount to be refunded:	\$		
				charged:	\$		
a. <input checked="" type="checkbox"/> A check in the amount of \$ <u>565</u> to cover the above fees is enclosed. b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>07-1900</u> A duplicate copy of this sheet is enclosed. d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form</b> Provide credit card information and authorization on PTO-2038							
<b>NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the application to pending status.</b>							
SEND ALL CORRESPONDENCE TO <div style="float: right; text-align: right;"> <u>Clark A. Puntigam</u>              SIGNATURE  <u>Clark A. Puntigam</u>              NAME  <u>25,763</u>              REGISTRATION NUMBER           </div>							

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JC10 Rec'd PCT/PTO 1 4 MAR 2002

Applicant : Warrick Smith  
International Appln. No.: PCT/AU00/01116  
International Filing Date : 15 September 2000  
Title: MAGNETIC HOLDING DEVICE AND METHOD  
Assistant Commissioner for Patents  
Box Non-Fee Amendment  
Washington, D.C. 20231

Dear Sir:

Cancel claims 1-19 and substitute therefore new claims 20-38 on the attached sheets.

Respectfully submitted,  
JENSEN & PUNTIGAM, P.S.

By Clark A. Puntigan  
Clark A. Puntigan, #25,763  
Attorney for Applicant

Enclosures:            Postcard

## Claims

20. A method of attaching a sheet material to a structure, said method comprising:  
providing a plurality of magnetic holding devices each comprising a housing including at least one magnet and having a substantially flat magnetic surface on or in close proximity to said magnet;  
placing sheet material against at least one magnetically receptive surface of the structure;  
placing said magnetic holding devices with said substantially flat magnetic surface against the sheet material to hold the sheet material in position between the magnetic surfaces of the holding devices and said at least one magnetically receptive surface of the structure so that the sheet material can be secured to the structure.
21. A method according to claim 20 wherein each magnetic holding device comprises an elongate member including one or more magnets.
22. A method according to claim 21 wherein the elongate member houses a plurality of magnets located at spaced intervals along the elongate housing.
23. A method according to claim 20 wherein the structure has a plurality of spaced frame members of ferromagnetic material, and the sheet material is held between the magnetic surfaces of the holding devices and magnetically receptive surfaces of the frame members.
24. A method according to claim 23 wherein at least some of the magnetic holding devices are provided with a least one retaining member having a part with a retaining surface extending from the housing at an angle to the substantially flat magnetic surface for engagement with a surface of one of the frame members extending at an angle to the magnetically receptive surface of the frame member.
25. A magnetic holding device comprising an elongate member including at least one magnet and having a substantially flat magnetic surface on or in close proximity to

the magnet, whereby the elongate member is adapted to hold material between said magnetic surface and a magnetically receptive surface;

wherein at least one retaining member is provided on the elongate member, the retaining member having a retaining surface extending from the elongate member at an angle to the substantially flat magnetic surface.

26. A magnetic holding device according to claim 25, wherein the retaining member is integral with the elongate member of the magnetic holding device.

27. A magnetic holding device according to claim 25, wherein the retaining member is attached to the elongate member of the magnetic holding device.

28. A magnetic holding device according to claim 27, wherein the retaining member is adjustable having a lip part movable between an extended position in which the lip part presents a retaining surface extending outwardly from the elongate member generally perpendicularly to the substantially flat magnetic surface, and a retracted position.

29. A magnetic holding device according to claim 25, wherein the elongate member comprises a housing containing at least one pair of magnets at longitudinally spaced apart positions of the elongate member.

30. A magnetic holding device according to claim 29, wherein the housing comprises an elongate rod having retaining members provided at each end of the rod.

31. A magnetic holding device according to claim 29 wherein the housing is of tubular form for mounting on a rod or tube, the housing having a pair of magnet housing members extending outwardly from the tubular housing.

32. A magnetic holding device according to claim 29, wherein retaining members in the form of sleeves with end lip parts are mounted on the magnet housing members.

33. A magnetic holding device according to claim 27, wherein ferromagnetic material is provided between said at least one pair of magnets within the housing.

34. A magnetic holding device comprising an elongate housing member containing at least one pair of magnets at longitudinally spaced apart positions of the elongate housing member, and ferromagnetic material provided between the pair of magnets within the housing.

35. A magnetic holding device according to claim 25, wherein the elongate member is made of wooden or plastics material.

36. A magnetic holding device according to claim 25 wherein the at least one magnet is mounted on a surface of the elongate member.

37. A magnetic holding device according to claim 25, wherein the at least one magnet is mounted within a recess in the elongate member, with a surface of the magnet forming the substantially flat magnetic surface of the device.

38. A magnetic holding device according to claim 25, wherein the at least one magnet is housed within the elongate member with a magnetic surface of the magnet being in close proximity to a surface of the elongate member forming said substantially flat magnetic surface of the device.

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**MAGNETIC HOLDING DEVICE AND METHOD**

This invention relates to a device and method for holding materials in place against a structure and is particularly, but not exclusively, concerned with retaining sheet materials in position against frame members of a building framework so that the sheet material can be secured to the frame members.

In the building industry it is often necessary to fasten sheets of material, such as insulating paper or sarking, to frame members of a wall or roof before the wall or roof is cladded or covered. When the sheet material is dispensed from a roll it can be difficult to hold the sheet material in position, particularly in windy conditions, until the sheet is secured to the wall or roof members, for instance by an adhesive or other fastening means.

It is therefore desirable to provide an effective holding device and method for holding materials, such as sheet materials, in position against a surface or framework of a building.

According to one aspect of the invention, there is provided a method of attaching a sheet material to a structure, said method comprising:

providing a plurality of magnetic holding devices each comprising a housing including at least one magnet and having a substantially flat magnetic surface on or in close proximity to said magnet;

placing the sheet material against at least one magnetically receptive surface of the structure;

placing said magnetic holding devices with said substantially flat magnetic surface against the sheet material to hold the sheet material in position between the magnetic surfaces of the holding devices and said at least one magnetically receptive surface of the structure so that the sheet material can be secured to the structure.

The magnetic holding devices preferably comprise elongate members, such as rods or tubes, each including at least one magnet. Preferably, each magnetic holding device has a plurality of magnets located at spaced intervals along the elongate member. At least some of the magnetic holding devices are preferably provided with at least one retaining member having a retaining





Figure 1 is a perspective view illustrating a method of attaching sheet  
30 material to a wall framework in accordance with the invention;

Referring to Figure 2, there is illustrated a similar method in which the  
30 tradespersons 11, 12 are utilising magnetic holding devices 20 to hold a sheet of

20 : A particularly advantageous feature of the magnetic holding device of the present invention is illustrated in Figures 6 to 9 which show an adjustable retaining member 40 provided on one side of the elongate housing 22 towards one end of the housing 22. Another similar retaining member 40 may be provided at the other end of the housing 22. The adjustable retaining member 25 40 comprises a circular body part 42 and a lip part 44 extending from one side of the body part 42. The circular body part 42 is attached to a side of the lower part 26 of the housing 22 by a threaded bolt 45 having an enlarged head 46 with a hexagonal recess 47 for receiving an a hexagonal key for tightening the bolt 45 in a threaded recess 48 in the side of the lower body part 26. The bolt 45 is preferably tightened to a sufficient extent to secure the adjustable retaining member 40 to the housing 22 while allowing the retaining member to rotate

Figure 10 shows another embodiment of a magnetic holding device 50 mounted on an elongate tube or rod 51. The magnetic holding device 50 comprises an elongate tubular body part 52 and a pair of spaced cylindrical magnet housing members 54 extending outwardly from the body part 52 in a direction substantially perpendicularly to the axis of the tube or rod 51. The tubular body part 52 is slidably mounted on the tube or rod 51 and can be secured in a desired position on the rod 51 by a screw 53.

The ends of the magnet housing members 54 have recesses 55 which house a pair of magnets 56 so that the end surfaces of the housing members 54 form magnetic surfaces 57 which are attracted to a magnetically receptive surface 61 of a steel frame member 60 to hold a sheet material 14 between the surfaces 57 and 61.

It will be appreciated that a plurality of the magnetic holding devices 51 may be mounted on an elongate tube or rod 51 for holding a sheet material 14 of large dimensions.

As shown in Figure 10, an adjustable retaining member 62 is mounted on each of the magnet housing members 54. Each adjustable retaining member 62 comprises a sleeve slidably mounted on a respective cylindrical housing member 54 and movable between a retracted position (as shown on the left hand side of Figure 10) and an extended position (as shown on the right hand side of Figure 10). In the extended position, a lip part 64 of the sleeve 62 extends beyond the magnetic surface 57 of the respective housing member 54 to present a lip surface for engagement with a side surface of the steel frame member 60 to help prevent the magnetic holding device 50 from slipping relative to the frame member 60, e.g. in windy conditions.

Each slidable retaining sleeve 62 may be secured in either its retracted or extended position by a screw 66 extending through a slot 67 in a lug 68 on the side of the magnet housing member 54.

Referring to Figure 11, there is shown a modified embodiment of a magnetic holding device 50 which is similar to that of Figure 10 with the retaining members 60 omitted so that the modification can be illustrated more clearly. Otherwise corresponding reference numerals have been applied to corresponding parts of Figure 10. The device 50 differs from that of Figure 10 in that a ferromagnetic element 70 in the form of a U-shaped piece of ferromagnetic material extends between the magnets 56 in the cylindrical magnet housing members 54. Also, the pair of magnets 56 are arranged so that the south pole of one magnet 56 forms or is adjacent the magnetic surface 57 of

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one housing member 54 and the north pole of the other magnet 56 forms or is adjacent the magnetic surface 57 of the other housing member 54.

In use, when the magnetic holding device 50 of Figure 11 is used to hold a piece of sheet material 14 to a steel structural member 60, a strong magnetic  
5 circuit is created in the U-shaped piece 70 of ferromagnetic material and in the steel structural member 60 which assists in holding the sheet material 14 more securely to the steel member 60.

The present invention thus provides an effective holding device and method for holding sheet materials to a structure whilst the preferred  
10 embodiment is described with reference to holding an insulating sheet to frame members of a steel framework of a building, the devices and method may also be used for holding other types of sheet material, such as shade cloth, hessian and even thin sheets of plyboard etc to structural members. It is also envisaged that the holding devices may have many other applications outside the building  
15 industry.

It will be appreciated that various other modifications may be made to the preferred embodiments described above without departing from the scope and spirit of the present invention. For instance, the retaining members on the holding device may be fixed to the housing of the device in a permanently  
20 extended position, although an adjustable retaining member is preferred for situations when it is not desirable to have a permanent retaining lip projecting from the housing.

5. A method according to claim 4 wherein at least some of the magnetic holding devices are provided with at least one retaining member having a part with a retaining surface extending from the housing at an angle to the substantially flat magnetic surface for engagement with a surface of one of the frame members extending at an angle to the magnetically receptive surface of the frame member.

11. A magnetic holding device according to claim 10 wherein the housing comprises an elongate rod having retaining members provided at each end of the rod.



12. A magnetic holding device according to claim 10 wherein the housing is of tubular form for mounting on a rod or tube, the housing having a pair of magnet housing members extending outwardly from the tubular housing.
- 5 13. A magnetic holding device according to claim 12 wherein retaining members in the form of sleeves with end lip parts are mounted on the magnet housing members.
- 10 14. A magnetic holding device according to claim 10, wherein ferromagnetic material is provided between said at least one pair of magnets within the housing.
- 15 15. A magnetic holding device comprising an elongate housing member containing at least one pair of magnets at longitudinally spaced apart positions of the elongate housing member, and ferromagnetic material provided between the pair of magnets within the housing.
- 20 16. A magnetic holding device according to any one of claims 6 to 15 wherein the elongate member is made of wooden or plastics material.
- 25 17. A magnetic holding device according to any one of claims 6 to 16 wherein the or each magnet is mounted on a surface of the elongate member.
- 30 18. A magnetic holding device according to any one of claims 6 to 16 wherein the or each magnet is mounted within a recess in the elongate member, with a surface of the magnet forming the substantially flat magnetic surface of the device.
19. A magnetic holding device according to any one of claims 6 to 16 wherein the or each magnet is housed within the elongate member with a

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magnetic surface of the magnet being in close proximity to a surface of the elongate member forming said substantially flat magnetic surface of the device.

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
22 March 2001 (22.03.2001)

PCT

(10) International Publication Number  
WO 01/19569 A1

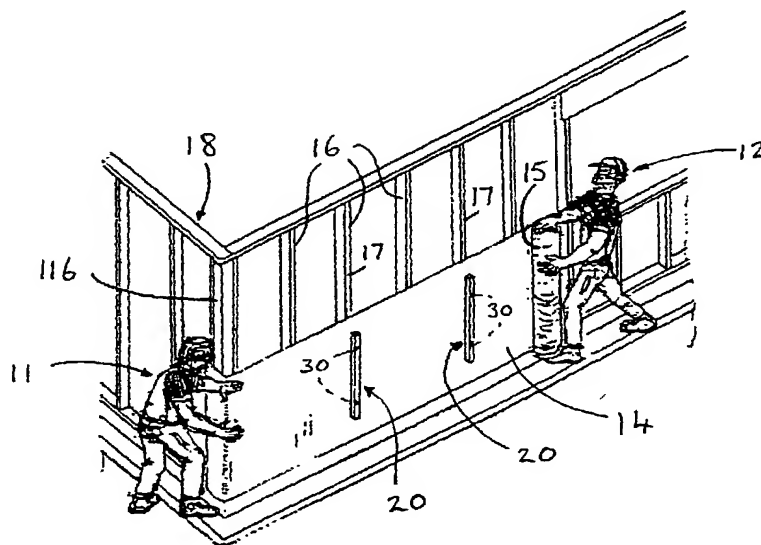
- (51) International Patent Classification<sup>7</sup>: B25B 11/00, [AU/AU]; 5 Elwood Street, Golden Square, VIC 3555 (AU).  
E04G 21/16
- (21) International Application Number: PCT/AU00/01116 (74) Agent: FREEHILLS CARTER SMITH BEADLE; 101 Collins Street, Melbourne, VIC 3000 (AU).
- (22) International Filing Date: 15 September 2000 (15.09.2000) (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: PQ 2815 15 September 1999 (15.09.1999) AU (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): ELLICE HOLDINGS PTY LTD [AU/AU]; 5 Elwood Street, Golden Square, VIC 3555 (AU).
- (72) Inventor; and
- (75) Inventor/Applicant (*for US only*): SMITH, Warrick

Published:

— With international search report.

[Continued on next page]

(54) Title: MAGNETIC HOLDING DEVICE AND METHOD



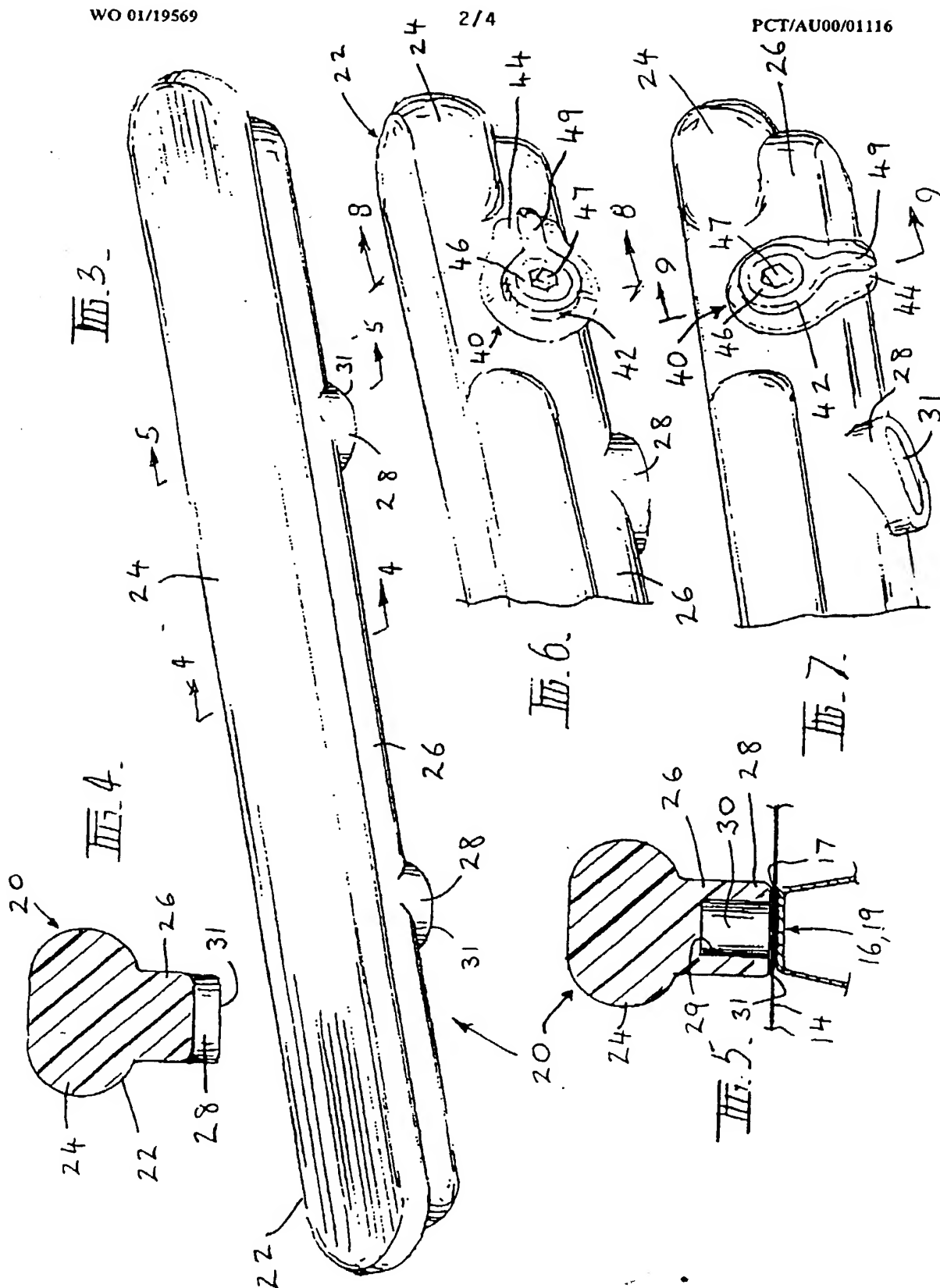
(57) Abstract: A magnetic holding device (20) is provided comprising an elongate housing (22) containing a plurality of magnets (30) located at longitudinally spaced apart locations (28) of the housing (22). The device (20) thus has magnetic surfaces (31) for holding a sheet material (14) to a magnetically receptive surface of a steel frame member (16, 19) of a wall or roof framework for a building before the sheet material (14) is permanently secured to the frame member (16, 19). The elongate housing (22) also includes at least one adjustable retaining member (40) having a lip (44) for engagement with a side surface of the frame member (16, 19) to help prevent the holding device (20) and sheet material (14) from slipping relative to the frame member (16, 19), e.g. in windy conditions.

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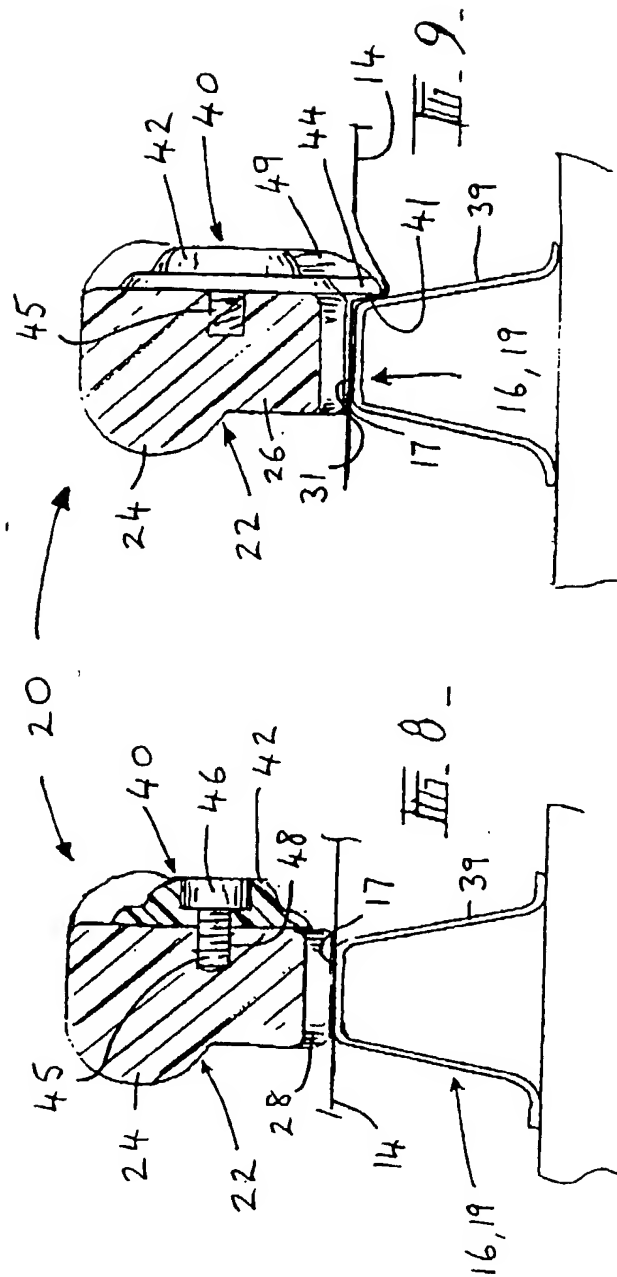
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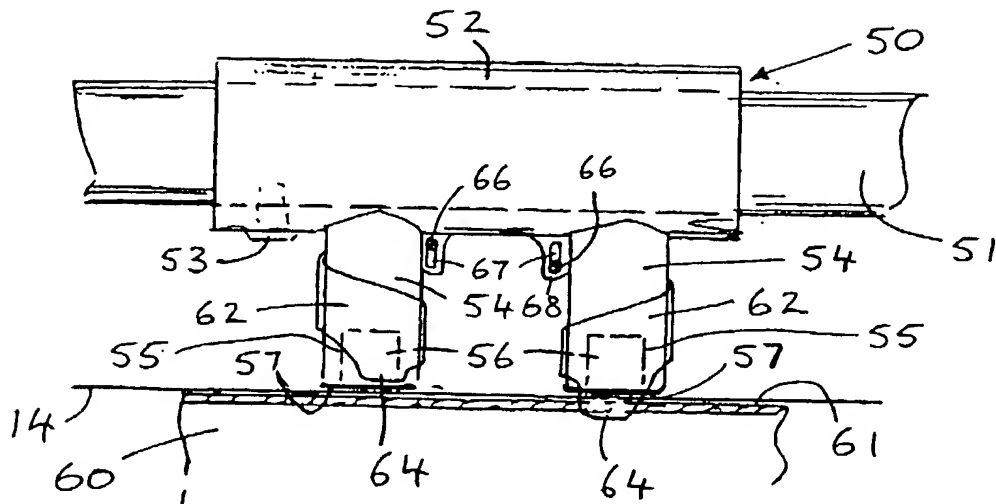
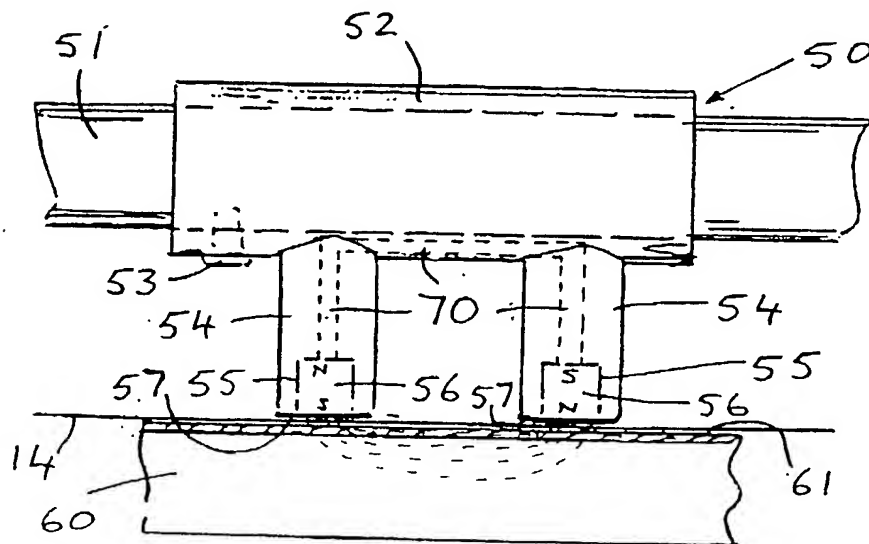
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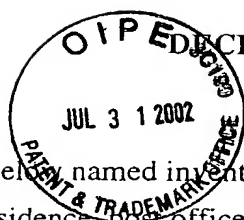


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Fig. 10Fig. 11



# DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated next to my name

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled "Magnetic holding device and method" the specification of which:

is based on International patent application no PCT/AU00/01116 filed 15 September 2000 which is based on Australian patent application no PQ2815 filed 16 September 1999

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, 1.56(a).

I hereby claim foreign priority benefits under Title 35, United States Code, 119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

## PRIOR FOREIGN APPLICATION(S)

			Priority Claimed	
			Yes	No
PQ2815 (Number)	Australia (Country)	16 September 1999 (Day/Month/Year Filed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
PCT/AU00/01116 (Number)	International (Country)	15 September 2000 (Day/Month/Year Filed)	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I hereby claim the benefit under Title 35, United States Code 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, 1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.



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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both, under 1001 of Title 18 of the United States Code and that such wilful false statements may jeopardize the validity of the application or any patent issued thereon.



Full name of sole or first inventor: 1-00

Warrick Smith

Inventor Signature [Signature]

Date 13/3/02

Residence: 5 Elwood Street, Golden Square, Victoria 3555

Citizenship: Australia

Post Office Address: "as above"

AY